

**DLA Land and Maritime - VQ**  
**Supplemental Information Sheet for Electronic QPL-55110**

**Date: 9/14/2011**

**Specification Details:**

Specification: MIL-PRF-55110  
Title: Printed Wiring Board, Rigid  
Federal Supply Class (FSC): 5998  
Conventional: Yes  
Specification contains quality assurance program: No  
MIL-STD-790 Established Reliability & High Reliability: No  
MIL-STD-690 Failure Rate Sampling Plans & Procedures: No  
Weibull Graded: No  
Specification contains space level reliability requirements: No  
Specification allows test optimization: No

**Contact Information:**

Office of Primary Involvement: Electronic Devices Branch, DLA Land and Maritime - VQE  
Primary Qualifying Activity Contact: 614-692-0627, e-mail: vqe.ls@dla.mil  
Secondary Qualifying Activity Contact: 614-692-0631, e-mail: vqe.bw@dla.mil

**Notes:**

Effective 31 December 1998, MIL-PRF-55110 has been declared "Inactive for New Design." For new design, use MIL-PRF-31032. This is applicable on all acquisitions to which MIL-PRF-55110 is applied.

Extent of Qualification Qualification of a particular board type shall be extended to cover all conductor patterns of that same board type produced. Qualification of type 3 boards shall be extended to cover type 1 and type 2 boards. Qualification of type 2 boards shall be extended to cover type 1 boards. Qualification with type GF base material shall be extended to cover types GB and GH base materials. Qualification with type GR base material shall be extended to cover type GP base material. Qualification with type GY base material shall be extended to cover types GT and GX base materials. Qualification with type SC base material shall be extended to cover type GC base material. Qualification with type GX base material shall be extended to cover type GT base material. Qualification with types AF, BF, GB, GC, GH, GI, GM, or QI base material shall cover that material only.

a. The last six digits of the Qualification Reference Number (QRN) is the qualification expiration date in "mmddyy" format (e.g. 55110-1234-042211 expires on April 22, 2011).

b. An asterisk (\*) adjacent to the QRN denotes that the product was tested for and meets the etchback requirements.

c. An exclamation (!) adjacent to the QRN denotes qualification through Appendix B of MIL-PRF-55110. There is no qualification expiration date. See QML-31032 for detailed information about this company's capabilities.

d. A pound sign (#) adjacent to the QRN denotes that the qualification vehicle was built using foil lamination technology. The specimen was tested for and meets peel strength requirements.

**Base Material:**

AF - Aramid Fabric, Woven, Majority Polyfunctional Epoxy Resin  
BF - Aramid Fabric, Nonwoven, Epoxy Resin  
BI - Aramid Fabric, Nonwoven, Polyimide Resin  
GB - Glass Base, Woven, Majority Polyfunctional Epoxy Resin, Hot Strength Retention  
GC - Glass Base, Woven E, Reinforcement, Majority Cyanate Ester, Flame Resistant  
GF - Glass Base, Woven, Majority Difunctional Epoxy Resin, Flame Resistant  
GH - Glass Base, Woven, Majority Polyfunctional Epoxy Resin, Hot Strength Retention, Flame Resistant  
GI - Glass Base, Woven, Polyimide Resin, Heat Resistant  
GM - Glass Base, Woven, Triazine and/or Bismaleimide Modified Epoxy Resin, Flame Resistant  
GR - Glass Base, Nonwoven, Polytetrafluoroethylene Resin, Flame Resistant  
GX - Glass Base, Woven, Polytetrafluoroethylene Resin, Flame Resistant  
GY - Glass Base, Woven, Polytetrafluoroethylene Resin, Flame Resistant, for Microwave Application  
QI - Quartz Base, Woven, Polyimide Resin, Heat Resistant  
SC - Glass Base, Woven S-2, Fiber, Majority Cyanate Ester, Flame Resistant

**Part Configuration:**

Listed by classification type and base material.

**PART LISTINGS**

SUPPLIER'S NAME (ADDRESS ON LAST PAGE)		QUALIFICATION REFERENCE NUMBER AND EXPIRATION DATE (MM/DD/YY)	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)		QUALIFICATION REFERENCE NUMBER AND EXPIRATION DATE (MM/DD/YY)
<b>AF TYPE 3</b>			<b>BF TYPE 3</b>		
Lockheed Martin Systems Integration		55110-31032!*	TTM Technologies (Stafford)		55110-31032!
TTM Technologies (Stafford)		55110-31032!	<b>BI TYPE 3</b>		
<b>BF TYPE 3</b>			Cosmotronic		55110-31032!*
Cosmotronic		55110-31032!*	Firan Technology Group		55110-31032!*

# PART LISTINGS

SUPPLIER'S NAME (ADDRESS ON LAST PAGE)	QUALIFICATION REFERENCE NUMBER AND EXPIRATION DATE (MM/DD/YY)	SUPPLIER'S NAME (ADDRESS ON LAST PAGE)	QUALIFICATION REFERENCE NUMBER AND EXPIRATION DATE (MM/DD/YY)
<b>BI TYPE 3</b>		<b>GF TYPE 3</b>	
FTG Circuits, Inc.	55110-3015-042814	Holaday Circuits, Inc.	55110-2855-062213*#
Lockheed Martin Systems Integration	55110-31032!	Hughes Circuits	55110-31032!
Sovereign Circuits, Inc.	55110-31032!*	Hunter Technology	55110-2561-062612*#
TTM Technologies (Santa Clara)	55110-31032!*	IMI, Inc.	55110-2979-091413
TTM Technologies (Stafford)	55110-31032!*	Integrated Technology, Ltd. (ITL) Circuits	55110-3178-041514*#
<b>GF</b>		KCA Electronics, Inc.	55110-31032!#
Viasystems Corp. (OR)	55110-31032!#*	L-3 Communications Corporation	55110-3144-081914#
<b>GF TYPE 3</b>		Lazer-Tech, Ltd.	55110-3147-080114*#
A & C Electronics	55110-2235-052814*#	Lockheed Martin Systems Integration	55110-31032!*
Accurate Circuit Engineering	55110-31032!*	Metaplast Circuits, Ltd.	55110-3113-040714*
Accurate Engineering Corp.	55110-2921-110913*#	Micom Corp.	55110-31032!
American Standard Circuits	55110-31032!#	Micropack, Ltd.	55110-2589-083112*#
Amphenol Printed Circuits	55110-31032!#	Midwest Printed Circuits Services	55110-2743-021113*#
Aselsan Military Electronics Industries, Inc.	55110-3014-041414	Moog Components Group Galax	55110-2640-111312#
Calumet Electronics Corp.	55110-31032!*	Multicircuits, Inc.	55110-2344-121511*#
Circuit Connect, Inc.	55110-2982-101213*#	Multilayer Technology-JVB Electronics	55110-3180-052614*#
Circuit Express, Inc.	55110-2798-092013*#	North Texas Circuit Board	55110-2059-021911*#
Circuit-Tech, Inc.	55110-2532-102712#	OK Print Corp.	55110-2355-042912
Cirexx International, Inc.	55110-31032!#	PCB Technologies	55110-IL0109-061212*#
Cirtech, Inc.	55110-3124-040514*	Pho-Tronics, Inc.	55110-2327-103111*#
Colonial Circuits, Inc.	55110-31032!#	Pioneer Circuits, Inc.	55110-31032*#
Compunetics, Inc.	55110-2698-111912*#	PNC, Inc.	55110-31032!#
Cosmotronic	55110-31032!#	Printca ApS	55110-2308-072811#
DDi Cleveland Corp.	55110-31032!#	Pro-Tech Interconnect Solutions LLC	55110-2644-090212*#
DDi Denver Corp.	55110-31032!#	Prototron Circuits Southwest, Inc.	55110-2657-092812*#
DDi Global Corp. - Anaheim	55110-31032!#	RJR Circuits, Inc.	55110-2545-070112*#
DDi Global Corp. - Sterling, VA	55110-31032!*	Rockwell Collins	55110-2591-082412*#
DDi Milpitas Corp.	55110-2131-021311*#	Sanmina-SCI, Owego	55110-31032*#
DDi North Jackson Corp.	55110-31032!#	Sanmina-SCI, San Jose	55110-31032!#
DDi Toronto	55110-31032!	Sierra Proto Express	55110-2949-101313*#
Delta-DVH Circuits	55110-2782-032513*#	South Coast Circuits	55110-3158-080114*#
Dynaco Corp	55110-31032!#	Speedy Circuits, Inc.	55110-31032!#
Electro Plate Circuitry, Inc.	55110-31032!#	Streamline Circuits	55110-2637-100712*#
Electrotek Corp.	55110-31032!	Thales Nederland B.V.	55110-3038-051614#
Elreha Printed Circuits Corp.	55110-2969-011914*#	TTM Technologies (Santa Ana)	55110-31032!#
Endicott Interconnect Technologies, Inc.	55110-31032!#	TTM Technologies (Santa Clara)	55110-31032!#
Firan Technology Group	55110-31032!*	TTM Technologies (Stafford)	55110-31032!*
Flexible Circuits, Inc.	55110-2883-070813*	U.S. Circuit, Inc.	55110-2384-051912*#
FTG Circuits, Inc.	55110-3014-042814	Unicircuit, Inc.	55110-31032*
Global Innovations Corp.	55110-31032!#	Universal Circuits, Inc.	55110-31032!#
Graphic Plc	55110-U101-082111	Valley Syncom Circuits	55110-2202-051911*#
Graphic Research, Inc.	55110-3060-030914*#	Vermont Circuits, Inc.	55110-31032!#
Hamby Corp.	55110-31032*	Viasystems Corp. (CA)	55110-31032!#
Hans Brockstedt GmbH	55110-31032!*	Waytec Electronics Corp.	55110-2582-100112*#
		Westak of Oregon	55110-3240-072714*#

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<b>GF TYPE 3</b>		<b>GI TYPE 3</b>	
WR-ALC/MAIPL	55110-2641-100212*	Invotec Circuits Tamworth, Ltd.	55110-U103-043012*#
W-Tek, Inc.	55110-2502-052712*#	Johns Hopkins University	55110-2998-092313
<b>GH TYPE 3</b>		KCA Electronics, Inc.	55110-2183-083111*
Eltek, Ltd.	55110-IL02-071711	L-3 Communications Corporation	55110-2476-040612*#
<b>GI</b>		Lazer-Tech, Ltd.	55110-2503-090312*#
Viasystems Corp. (OR)	55110-31032!#*	Lockheed Martin Systems Integration	55110-31032!*
<b>GI TYPE 3</b>		Metaplast Circuits, Ltd.	55110-3114-040714*
Accurate Engineering Corp.	55110-2228-120211*#	Micom Corp.	55110-31032!*
American Standard Circuits	55110-31032!#*	Micropack, Ltd.	55110-2963-041914
Amphenol Printed Circuits	55110-31032!#*	Midwest Printed Circuits Services	55110-2043-091711*
Aselsan Military Electronics Industries, Inc.	55110-3015-041414	Moog Components Group Galax	55110-2903-072713#
Calumet Electronics Corp.	55110-31032*#	Multilayer Technology-JVB Electronics	55110-3181-060614*#
CIMULEC	55110-2756-051813#	North Texas Circuit Board	55110-2058-021311*#
Circuit Express, Inc.	55110-2799-081613*#	PCB Technologies	55110-IL03-052812*
Cirexx International, Inc.	55110-31032!#*	Pho-Tronics, Inc.	55110-2573-101512*#
Cirtech, Inc.	55110-2796-050513*	Pioneer Circuits, Inc.	55110-31032*#
Colonial Circuits, Inc.	55110-31032!*	Printca ApS	55110-2427-032412#
Compunetics, Inc.	55110-2245-111912*	Pro-Tech Interconnect Solutions LLC	55110-2564-021113*#
Cosmotronic	55110-31032!*	Prototron Circuits Southwest, Inc.	55110-2323-041312*
DDi Cleveland Corp.	55110-31032!*	RJR Circuits, Inc.	55110-2546-070112*#
DDi Denver Corp.	55110-31032!#*	Rockwell Collins	55110-2592-091812*#
DDi Global Corp. - Anaheim	55110-31032!#*	Sanmina-SCI, Owego	55110-31032*#
DDi Global Corp. - Sterling, VA	55110-31032!*	Sanmina-SCI, San Jose	55110-31032!#*
DDi Milpitas Corp.	55110-2192-032012*#	Sierra Proto Express	55110-2950-010414*#
DDi North Jackson Corp.	55110-31032!#*	South Coast Circuits	55110-2210-062511*#
DDi Toronto	55110-31032!*	Speedy Circuits, Inc.	55110-31032!#*
Dynaco Corp	55110-31032!#*	Streamline Circuits	55110-2028-111510*#
Electro Plate Circuitry, Inc.	55110-31032!#*	Thales Nederland B.V.	55110-3037-032114#
Electrotek Corp.	55110-31032!	TTM Technologies (Santa Ana)	55110-31032!#*
Elreha (St. Petersburg)	55110-2986-052414*#	TTM Technologies (Santa Clara)	55110-31032!#*
Eltek, Ltd.	55110-IL0509-061113	TTM Technologies (Stafford)	55110-31032!*
Endicott Interconnect Technologies, Inc.	55110-31032!#*	U.S. Circuit, Inc.	55110-3045-072114*#
Firan Technology Group	55110-31032!*	Unicircuit, Inc.	55110-31032!*
Flexible Circuits, Inc.	55110-2884-091613*	Universal Circuits, Inc.	55110-1877-111310*#
FTG Circuits, Inc.	55110-3047-102913*#	Valley Syncom Circuits	55110-2459-040812*#
Global Innovations Corp.	55110-31032!*	Viasystems Corp. (CA)	55110-31032!#
Graphic Plc	55110-U100-032011	Westak of Oregon	55110-2859-051813*#
Graphic Research, Inc.	55110-3059-030914*#	W-Tek, Inc.	55110-2127-032111*#
Hamby Corp.	55110-31032*	<b>GM TYPE 3</b>	
Hans Brockstedt GmbH	55110-31032!*	Amphenol Printed Circuits	55110-31032!
Holaday Circuits, Inc.	55110-2856-062213*#	Cosmotronic	55110-31032!*
Hughes Circuits	55110-31032!	Firan Technology Group	55110-31032!*
Hunter Technology	55110-2562-101912*#	Rockwell Collins	55110-1053-061408*#
Integrated Technology, Ltd. (ITL) Circuits	55110-2503-081912*#	TTM Technologies (Stafford)	55110-31032!

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## **GM TYPE 3**

Universal Circuits, Inc. 55110-1878-111310\*#

## **GR TYPE 2**

Global Innovations Corp. 55110-31032!

Graphic Research, Inc. 55110-2881-062113

Speedy Circuits, Inc. 55110-31032!

## **GY TYPE 2**

Colonial Circuits, Inc. 55110-31032!

Global Innovations Corp. 55110-31032!

Graphic Research, Inc. 55110-2880-062113

Rockwell Collins 55110-2928-122013

Speedy Circuits, Inc. 55110-31032!

## **GY TYPE 3**

Electro Plate Circuitry, Inc. 55110-31032!\*#

## **SC TYPE 3**

TTM Technologies (Stafford) 55110-31032!

## **With or Without Woven or Non-Woven E-Glass, Polytetrafluoroethylene (PTFE) Resin, Ceramic Filler TYPE 3**

Electro Plate Circuitry, Inc. 55110-31032!\*#

Sanmina-SCI, San Jose 55310-31032!

## **Woven Glass Reinforced, Hydrocarbon Resin with Ceramic Fill TYPE 2**

Sanmina-SCI, San Jose 55110-31032!

## **Woven Glass Reinforced, Hydrocarbon Resin with Ceramic Fill TYPE 3**

Amphenol Printed Circuits 55110-31032!\*

Colonial Circuits, Inc. 55110-31032!\*

Cosmotronic 55110-31032!\*

Delta Circuits, Inc. 55110-2671-101513

TTM Technologies (Santa Clara) 55110-31032!

TTM Technologies (Stafford) 55110-31032!

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**Manufacturer and Supplier Location Information**

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**Manufacturer: A & C Electronics (CAGE Code: 65812)**

Location: 18153 Napa Street, Northridge, CA 91325, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Accurate Circuit Engineering (CAGE Code: 0MNN9)**

Location: 3019 S. Kilson Drive, Santa Ana, CA 92707, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Accurate Engineering Corp. (CAGE Code: 1W538)**

Location: 8710 TelFair Avenue, Sun Valley, CA 91352-2530, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: American Standard Circuits (CAGE Code: 4AA34)**

Location: RF Division, 475 Industrial Drive, West Chicago, IL 60185, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Amphenol Printed Circuits (CAGE Code: 57034)**

Location: 91 Northeastern Boulevard, Nashua, NH 03062, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Aselsan Military Electronics Industries, Inc. (CAGE Code: T4238)**

Location: P.O. Box 101, 06172 Yenimahalle, Ankara, Turkey

Plants:

1. Aselsan Military Electronics Industries, Inc., Macunkoy, Ankara, Turkey

**Manufacturer: Calumet Electronics Corp. (CAGE Code: 65337)**

Location: 25830 Depot Street, Calumet, MI 49913-1985, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: CIMULEC (CAGE Code: 0YWU1)**

Location: Z.I. Les Jonquieres, 57365 ENNERY, France

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Circuit Connect, Inc. (CAGE Code: 3JDJ7)**

Location: 4 State Street, Nashua, NH 03063, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Circuit Express, Inc. (CAGE Code: 0SX42)**

Location: Division of Advanced Circuits, Inc., 229 S. Clark Drive, Tempe, AZ 85281-3073, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Circuit-Tech, Inc. (CAGE Code: L4387)**

Location: 399 Denison Street, Markham, Ontario, Canada L3R 1B7

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Cirexx International, Inc. (CAGE Code: 4MEG7)**

Location: 791 Nuttman Street, Santa Clara, CA 95054, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Cirtech, Inc. (CAGE Code: 8K616)**

Location: 250 E. Emerson Avenue, Orange, CA 92665, US

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Cirtech, Inc. (CAGE Code: 8K616)**

Location: 250 E. Emerson Avenue, Orange, CA 92665, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Colonial Circuits, Inc. (CAGE Code: 6T499)**

Location: 1026 Warrentown Road, Fredericksburg, VA 22406-6200, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Compunetics, Inc. (CAGE Code: 30598)**

Location: 700 Seco Road, Monroeville, PA 15146, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Cosmotronic, Inc. (CAGE Code: 63695)**

Location: 16721 Noyes Avenue, Irvine, CA 92606-5176, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: DDi Cleveland Corp. (CAGE Code: 7Z463)**

Location: 7 Ascot Parkway, Cuyahoga Falls, OH 44223, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: DDi Denver Corp. (CAGE Code: 75815)**

Location: 10570 Bradford Road, Littleton, CO 80127-4211, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: DDi Global Corp. - Anaheim (CAGE Code: 0BSG1)**

Location: 1220 N. Simon Circle, Anaheim, CA 92806, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: DDi Global Corp. - Sterling, VA (CAGE Code: 0K703)**

Location: 1200 Severn Way, Dulles, VA 20166-8904, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: DDi Milpitas Corp. (CAGE Code: 0SFV5)**

Location: 1831 Tarob Court, Milpitas, CA 95035-6825, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: DDi North Jackson Corp. (CAGE Code: 0GN71)**

Location: P.O. Box 216, 12080 DeBartolo Drive, N. Jackson, OH 44451, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: DDi Toronto (CAGE Code: 3AF82)**

Location: 8150 Sheppard Avenue East & 2020 Ellesmere, Scarborough, Ontario M1B 5K2, Canada

Plants:

1. Plant: Same Address as Manufacturer
2. 2020 Ellesmere Road, Scarborough, Ontario, Canada M1H 2Z8

**Manufacturer: Delta Circuits, Inc. (CAGE Code: 1KTH8)**

Location: 26 Spielman Road, Fairfield, NJ 07004, US

Plants:

1. Plant: Same Address as Manufacturer

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Delta-DVH Circuits (CAGE Code: 8U401)**

Location: Ambay Circuits, Inc. dba Delta-DVH Circuits, 16117 Leadwell Street, Van Nuys, CA 91406, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Dynaco Corp. (CAGE Code: 61642)**

Location: 1000 South Priest Drive, Tempe, AZ 85281-5238, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Electro Plate Circuitry, Inc. (CAGE Code: 79616)**

Location: 1430 Century Drive, Carrollton, TX 75006, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Electrotek Corp. (CAGE Code: 66030)**

Location: 7745 S. 10th Street, Oak Creek, WI 53154, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Elreha Printed Circuits Corp. (CAGE Code: 59020)**

Location: 2510 Terminal Drive, S., St. Petersburg, FL 33712-1669, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Eltek, Ltd. (CAGE Code: S4451)**

Location: P.O. Box 159, Sgoola Industrial Park, 49101 Petach-Tikva, Israel

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Endicott Interconnect Technologies, Inc. (CAGE Code: 3ECL3)**

Location: Dept. 0069/014-3, 1093 Clark Street, Endicott, NY 13760, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Firan Technology Group (CAGE Code: L2665)**

Location: 250 Finchdene Square, Scarborough, Ontario M1X 1A5, Canada

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Flexible Circuits, Inc. (CAGE Code: 22928)**

Location: 222 Valley Road, Warrington, PA 18976-2580, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: FTG Circuits, Inc. (CAGE Code: 30803)**

Location: 20750 Marilla Street, Chatsworth, CA 91311, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Global Innovations Corp. (CAGE Code: 04RV5)**

Location: 901 Hensley Drive, Wylie, TX 75098-4909, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Graphic Plc (CAGE Code: U4538)**

Location: Lords Meadow Industrial Estate, Credenon, Devon, EX17 1HN, UK

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Graphic Research, Inc. (CAGE Code: 5K529)**

Location: 9334 Mason Avenue, Chatsworth, CA 91311-5201, US

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Graphic Research, Inc. (CAGE Code: 5K529)**

Location: 9334 Mason Avenue, Chatsworth, CA 91311-5201, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Hamby Corporation (CAGE Code: 07284)**

Location: 27704 Avenue Scott, Valencia, CA 91355, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Hans Brockstedt GmbH (CAGE Code: C4831)**

Location: Leiterplattenschnelldienst, Clara-Immerwahr-Strabe 7, 24145 Kiel, Germany

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Holaday Circuits, Inc. (CAGE Code: 59554)**

Location: 11126 Bren Road, W., Minnetonka, MN 55343, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Hughes Circuits (CAGE Code: 1KXU6)**

Location: 540 South Pacific Street, San Marcos, CA 92078-4056, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Hunter Technology (CAGE Code: 55536)**

Location: 2921 Corvin Drive, Santa Clara, CA 95051-0705, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: IMI, Inc. (CAGE Code: 78259)**

Location: 140 Hilldale Avenue, Haverhill, MA 01832-3830, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Integrated Technology, Ltd. (ITL) Circuits (CAGE Code: 38747)**

Location: 90 Don Park Road, Markham, On L3R 1C4, Canada

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Invotec Circuits Tamworth, Ltd. (CAGE Code: KF570)**

Location: Hedging Lane, Dosthill, Tamworth, St B77 5HH, England

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Johns Hopkins University (CAGE Code: 88898)**

Location: Applied Physics Laboratory (APL), 11100 Johns Hopkins Road, Laurel, MD 20723-6099, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: KCA Electronics, Inc. (CAGE Code: 1VUH8)**

Location: 223 N. Crescent Way, Anaheim, CA 92801, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: L-3 Communications Corporation (CAGE Code: 62939)**

Location: Electro Fab Division, 960 River Road, Croydon, PA 19021, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Lazer-Tech, Ltd. (CAGE Code: 38748)**

Location: 33 Milford Drive, Unit 1, Scarborough, Ontario, Canada M1B 2G6



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**Manufacturer and Supplier Location Information**

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**Manufacturer: Lazer-Tech, Ltd. (CAGE Code: 38748)**

Location: 33 Milford Drive, Unit 1, Scarborough, Ontario, Canada M1B 2G6

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Lockheed Martin Systems Integration (CAGE Code: 03640)**

Location: 1801 State Route 17-C, Owego, NY 13827, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Metaplast Circuits, Ltd. (CAGE Code: 3AD63)**

Location: 180 Hymus Road, Scarborough, On M1L 2E1, Canada

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Micom Corp. (CAGE Code: 34076)**

Location: 475 NW Eighth Avenue, New Brighton, MN 55112, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Micropack, Ltd. (CAGE Code: SAL28)**

Location: Plot No. 16 Jigani Industrial Area, Anekal Taluk, Bangalore District 562 106, India

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Midwest Printed Circuits Services (CAGE Code: 0YYS4)**

Location: 1741 Circuit Drive, Round Lake Beach, IL 60073, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Moog Components Group Galax (CAGE Code: 1VDA7)**

Location: 115 Jack Guynn Drive, Galax, VA 24333, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Multicircuits, Inc. (CAGE Code: 1BQS8)**

Location: 2301 Universal Street, Oshkosh, WI 54904-9146, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Multilayer Technology-JVB Electronics (CAGE Code: 0JKV9)**

Location: 3835 W. Conflans Road, Irving, TX 75061, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: North Texas Circuit Board (CAGE Code: 5S424)**

Location: 1501 W. Shady Grove Road, Grand Prairie, TX 75050, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: OK Print Corp. (CAGE Code: SDR40)**

Location: 3-21-18 Higashi - Koigakubo, Kokubunji-Shi, Tokyo 185-0014, Japan

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: PCB Technologies, Ltd. (CAGE Code: S5725)**

Location: P.O. Box 631, Migdal, Haemek, 10556, Israel

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Pho-Tronics, Inc. (CAGE Code: 79243)**

Location: 8701 West Bradley Road, Milwaukee, WI 53224-2817, US

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Pho-Tronics, Inc. (CAGE Code: 79243)**

Location: 8701 West Bradley Road, Milwaukee, WI 53224-2817, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Pioneer Circuits, Inc. (CAGE Code: 65723)**

Location: 3000 S. Shannon Street, Santa Ana, CA 92704, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: PNC, Inc. (CAGE Code: 66766)**

Location: 115 East Centre Street, Nutley, NJ 07110, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Printca ApS (CAGE Code: R2180)**

Location: Svendborgvej 3, 9220 Aalborg Oest, Denmark

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Pro-Tech Interconnect Solutions LLC (CAGE Code: 3CP65)**

Location: 4300 Peavey Road, Chaska, MN 55318, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Prototron Circuits Southwest, Inc. (CAGE Code: 66108)**

Location: 3760 East 43rd Place, Tucson, AZ 85713, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: RJR Circuits, Inc. (CAGE Code: 66525)**

Location: 1830 South Bannock Street, Denver, CO 80223, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Rockwell Collins (CAGE Code: 0EFD0)**

Location: Division of Rockwell International, 460 Collins Road, N.E., Cedar Rapids, IA 52498-0001, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Sanmina-SCI (Owego) (CAGE Code: 4GZ84)**

Location: 1200 Taylor Road, Owego, NY 13827, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Sanmina-SCI (San Jose) (CAGE Code: 3DR67)**

Location: 2050 Bering Drive, San Jose, CA 95131, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Sierra Proto Express (CAGE Code: 0ZHS4)**

Location: 1108 W. Evelyn Avenue, Sunnyvale, CA 94086, US

Assembly Plants:

1. AssemblyPlant: Same Address as Manufacturer

**Manufacturer: South Coast Circuits (CAGE Code: 3CXW3)**

Location: 3506 W. Lake Center Drive, Suite A, Santa Ana, CA 92704, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Speedy Circuits, Inc. (CAGE Code: 66982)**

Location: 5331 McFadden Avenue, Huntington Beach, CA 92649-1204, US

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Speedy Circuits, Inc. (CAGE Code: 66982)**

Location: 5331 McFadden Avenue, Huntington Beach, CA 92649-1204, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Streamline Circuits (CAGE Code: 3WUY3)**

Location: 1410 Martin Avenue, Santa Clara, CA 95050, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Thales Nederland B.V. (CAGE Code: H0203)**

Location: Department Bareboards & Substrates, Haaksbergerstraat 49, 7554RR Hengelo, The Netherlands

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: TTM Technologies (Santa Ana) (CAGE Code: 1WQ42)**

Location: 2630 South Harbor Boulevard, Santa Ana, CA 92704, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: TTM Technologies (Santa Clara) (CAGE Code: 65916)**

Location: Santa Clara Division, 400 Matthew Street, Santa Clara, CA 95050, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: TTM Technologies (Stafford) (CAGE Code: 5L706)**

Location: P.O. Box 145, 4 Old Monson Road, Stafford, CT 06075, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: U.S. Circuit, Inc. (CAGE Code: 66483)**

Location: 1526 Sterling Court, Escondido, CA 92029, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Unicircuit, Inc. (CAGE Code: 66311)**

Location: 8192 Southpark Lane, Littleton, CO 80120, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Universal Circuits, Inc. (CAGE Code: 45032)**

Location: 8860 Zachary Lane North, Maple Grove, MN 55369, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Valley Syncom Circuits (CAGE Code: 8W955)**

Location: 24940 Avenue Tibbitts, Valencia, CA 91355-3426, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Vermont Circuits, Inc. (CAGE Code: 65200)**

Location: P.O. Box 1890, 76 Technology Dr., Brattleboro, VT 05302, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Viasystems Corp. (CA) (CAGE Code: 0MHG5)**

Location: 355 Turtle Creek Court, San Jose, CA 95125-1316, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Viasystems Corp. (OR) (CAGE Code: 01KV9)**

Location: 1521 Poplar Lane, Forest Grove, OR 97116, US

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Viasystems Corp. (OR) (CAGE Code: 01KV9)**

Location: 1521 Poplar Lane, Forest Grove, OR 97116, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Waytec Electronics Corp. (CAGE Code: 1ZJN7)**

Location: P.O. Box 11765, Lynchburg, VA 24506-1765, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Westak of Oregon (CAGE Code: 65745)**

Location: 3941 24th Avenue, Forest Grove, OR 97116-2297, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: WR-ALC/MAIPL (CAGE Code: 0RCH2)**

Location: Avionics Management Directorate Production Div., 380 2nd Street, Suite 104, Robins AFB, GA 31098-1638, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: W-Tek, Inc. (CAGE Code: 67370)**

Location: 230 Irby Lane, Irving, TX 75061-7046, US

Plants:

1. Plant: Same Address as Manufacturer